**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) ~~Method~~ A method for providing a communication device with radio software from a software download server via a wireless network wirelessly over the air including a number of access networks, said communication device being arranged to operate in said wireless network and comprising a transceiver for receiving said radio software and ~~storing means comprising~~ at least ~~two~~ first and second radio access technologies for communication with corresponding access networks of said wireless network, comprising the steps of:

initiating a download of radio software ~~of a~~ designed for the first radio access technology of said communication device;

selecting ~~a~~ an available one of the first and second radio access ~~technology~~ technologies of said communication device for downloading said radio software;

downloading said radio software via the available radio access technology~~,~~ ~~wherein~~ wirelessly over the air; and

storing the downloaded radio software designed for the first radio access technology ~~is stored~~ in a memory ~~space of said storing means~~.

2. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the step of selecting ~~comprising~~ comprises the step of:

selecting ~~a~~ the second radio access technology for downloading of said radio software ~~that not is subject of receiving the software~~.

3. (Currently Amended) ~~Method~~ The method according to claim 2, wherein the step of selecting a radio access technology ~~comprising~~ comprises the step of:

if said second radio access technology is not available for downloading, selecting said first radio access technology for said downloading.

4. (Currently Amended) ~~Method~~ The method according to claim 3, wherein said ~~storing means comprises a~~ memory ~~space for~~ comprises temporary storage, wherein the step of selecting ~~comprising~~ comprises the step of:

if said first radio access technology is in use, downloading via said first radio access technology if said ~~memory space for~~ temporary storage is available for receiving said radio software.

5. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the radio software designed for the first radio access technology is stored in a memory space allocated for said first radio access technology.

6. (Currently Amended) ~~Method~~ The method according to claim 1, further comprising the step of, at completion of the downloading of the radio software of the first radio access technology, verifying that the downloaded software is operational.

7. (Currently Amended) ~~Method~~ The method according to claim 6, wherein the step of verifying comprises the step of:

performing a local test procedure in said communication device.

8. (Currently Amended) ~~Method~~ The method according to claim 7, wherein the step of performing a test procedure comprises the steps of:

performing a cyclic redundancy check of the downloaded software;

performing a built-in self-test of ~~the software~~ software-configured hardware logic of the communication device; and

performing a loop-test of the downloaded software.

9. (Currently Amended) ~~Method~~ The method according to claim 6, wherein the step of verifying comprises the step of:

~~if said local test procedure was successful,~~ performing a confirming procedure.

10. (Currently Amended) ~~Method~~ The method according to claim 9, wherein the step of verifying comprises the step of:

~~if said local test procedure not was successful,~~ performing an error handling procedure.

11. (Currently Amended) ~~Method~~ The method according to claim 9, wherein the step of performing a confirming procedure comprises the steps of:

sending a test message via said first radio technology to said server;

if a confirmation message has been received via said first radio technology within a predetermined period of time, determining that the downloading of software was successful; and

if a confirmation message not has been received via said first radio technology within a predetermined period of time, performing an error handling procedure.

Claim 12 (Cancelled).

13. (Currently Amended) ~~Method~~ The method according to claim 1, wherein the step of initiating a download of radio software comprises the steps of:

polling said communication device about the current version of software of a radio access technology of said communication device;

checking whether said version of software is up to date with the current version of corresponding software available on said software download server; and

if said version of software is not up to date, starting a download procedure ~~according to any one of preceeding claims~~.

14. (Currently Amended) ~~Method~~ The method according to claim 1, ~~wherein said communication device comprises initiating means for initiating a download of radio software of a radio access technology, and~~ wherein the step of initiating a download of radio software comprises the steps of:

sending an indication message comprising information regarding the current version of software of a radio access technology of said communication device from said communication device to said server via said wireless network;

checking whether said version of software is up to date with the current version of corresponding software available on said server; and

if said current version of software is not up to date, starting a download procedure ~~according to claim 1~~.

15. (Currently Amended) ~~Method~~ The method according to claim1, wherein the step of initiating a download of radio software comprises the steps of:

at connection of said communication device to an access network, sending an inquiry message from said access network to said server via said network in order to check whether a new version of the software of the radio access technology of said communication device corresponding to said access network is available;

checking whether said version of software is up to date with the current version of corresponding software available on said server; and

if said current version of software is not up to date, starting a download procedure ~~according to claim 1~~.

16. (Currently Amended) A communication device arranged to operate in a wireless network including a number of access networks, comprising a transceiver for receiving radio software from a software download server wirelessly over the air via said wireless network; ~~storing means comprising~~ and at least ~~two~~ first and second radio access technologies for communication with corresponding radio access networks of said wireless network, comprising:

~~controlling means for controlling the operation of said transceiver and said storing means and~~ a controller arranged to select ~~a~~ an available one of the first and second radio access ~~technology~~ technologies for downloading of radio software for a first radio access technology of said communication device; and

~~wherein~~ a memory arranged to store said radio software of the first radio access technology ~~is~~ downloaded wirelessly over the air via the selected radio access technology ~~and stored in a memory space of said storing means~~.

17. (Currently Amended) ~~Device~~ The device according to claim 16, wherein said ~~controlling means~~ controller is arranged to select a second radio access technology for downloading of said radio software ~~that not is subject of receiving of the software~~.

18. (Currently Amended) ~~Device~~ The device according to claim 17, wherein said ~~controlling means~~ controller is arranged to, if said second radio access technology is not available for downloading, select said first radio access technology for said downloading.

19. (Currently Amended) ~~Device~~ The device according to claim 18, wherein said ~~storing means comprises a~~ memory ~~space for~~ comprises temporary storage and wherein said ~~controlling means~~ controller is arranged to, if said first radio access technology is in use, select said first radio access technology for downloading if said ~~memory space for~~ temporary storage is available for receiving said radio software.

20. (Currently Amended) ~~Device~~ The device according to claim 16, wherein the radio software designed for the first radio access technology is stored in a memory space allocated for said first radio access technology.

21. (Currently Amended) ~~Device~~ The device according to claim 16, wherein said ~~controlling means~~ controller is arranged to~~,~~, at completion of the downloading of the radio software of the first radio access technology, verify that the downloaded software is operational.

22. (Currently Amended) ~~Device~~ The device according to claim 21, wherein said ~~controlling means~~ controller is arranged to perform a local test procedure.

23. (Currently Amended) ~~Device~~ The device according to claim 22, wherein said ~~controlling means~~ controller is arranged to perform a cyclic redundancy check of the downloaded software~~;~~, a built-in self-test of ~~the~~ hardware logic of the communication device~~;~~, and a loop-test of the downloaded software.

24. (Currently Amended) ~~Device~~ The device according to claim 21, wherein said controlling means is arranged to~~, if said local test procedure was successful,~~ perform a confirming procedure.

25. (Currently Amended) ~~Device~~ The device according to claim 21, wherein said ~~controlling means~~ controller is arranged to~~, if said local test procedure not was successful,~~ perform an error handling procedure.

26. (Currently Amended) ~~Device~~ The device according to claim 24, wherein said ~~controlling means~~ controller is arranged to:

send a test message via said first radio technology to said server;

if a confirmation message has been received via said first radio technology within a predetermined period of time, determine that the downloading of software was successful; and

if a confirmation message not has been received via said first radio technology within a predetermined period of time, perform an error handling procedure.

Claim 27. (Cancelled)

28. (Currently Amended) ~~Device~~ The device according to claim 1, further comprising initiating means for initiating a download of radio software of a radio access technology of said communication device and wherein said ~~controlling means~~ controller is arranged to control the operation of said initiating means.

29. (Currently Amended) ~~A~~ The system in a wireless network including a number of access networks, comprising a software download server connected to said wireless network and at least one communication device according to claim 16.

30. (Currently Amended) ~~Computer~~ A non-transitory, computer-readable medium comprising instructions for bringing a programmable device to perform the method according to claim 1.